Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently Amended) A method for controlling subscriber access in a network capable of

establishing connections with a plurality of services, comprising:

receiving, at an access server coupled to a first communication network and a second

communication network, a communication from a subscriber on said using a first

communication network coupled to a second communication network, said

communication optionally including a domain identifier associated with a service on a

network device located on said second communication network; and

authorizing said subscriber to access [a] only said service on said network device located on

said second communication network using one of a plurality of virtual circuits, said

authorizing based upon a domain configuration override attribute associated with the

virtual circuit used to receive said communication from said subscriber.

2.   (Currently Amended) The method of claim 1 wherein said authorizing further comprises:

receiving from a memory a virtual circuit profile associated with said virtual circuit;

assessing said virtual circuit profile to determine if a domain configuration override attribute

exists within said virtual circuit profile; and

forcing allowing said subscriber to connect exclusively to a service associated with said

domain configuration override attribute when said domain configuration override

attribute exists within said virtual circuit profile.

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3-6.   (Canceled)

7.   (Currently Amended) The method of claim 2 [6] wherein said receiving a virtual circuit

profile further comprises performing a table lookup based upon a Virtual Path Identifier (VPI) /

Virtual Channel Identifier (VCI) associated with said virtual circuit.

8.   (Currently Amended) A program storage device readable by a machine, embodying a

program of instructions executable by the machine to perform a method to control subscriber

access in a network capable of establishing connections with a plurality of services, the method

comprising:

> receiving, at an access server coupled to a first communication network and a second
>
>> communication network, a communication from a subscriber on said using a first
>>
>> communication network coupled to a second communication network, said
>>
>> communication optionally including a domain identifier associated with a service on a
>>
>> network device located on said second communication network; and
>
> authorizing said subscriber to access [a] only said service on said network device located on
>
>> said second communication network using one of a plurality of virtual circuits, said
>>
>> authorizing based upon a domain configuration override attribute associated with the
>>
>> virtual circuit used to receive said communication from said subscriber.

9.   (Currently Amended) The program storage device of claim 8 wherein said authorizing

further comprises:

> receiving from a memory a virtual circuit profile associated with said virtual circuit;

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assessing said virtual circuit profile to determine if a domain configuration override attribute

exists within said virtual circuit profile; and

forcing allowing said subscriber to connect exclusively to a service associated with said

domain configuration override attribute when said domain configuration override

attribute exists within said virtual circuit profile.

10-13. (Canceled)

14.   (Currently Amended) The program storage device of claim 9 [13] wherein said receiving

a virtual circuit profile further comprises performing a table lookup based upon a Virtual Path

Identifier (VPI) / Virtual Channel Identifier (VCI) associated with said virtual circuit.

15.   (Currently Amended) An apparatus for controlling subscriber access in a network

capable of establishing connections with a plurality of services, the apparatus comprising:

     means for receiving, at an access server coupled to a first communication network and a

          second communication network, a communication from a subscriber on said using a

          first communication network coupled to a second communication network, said

          communication optionally including a domain identifier associated with a service on a

          network device located on said second communication network; and

     means for authorizing said subscriber to access [a] only said service on said network device

          located on said second communication network using one of a plurality of virtual

          circuits, said authorizing based upon a domain configuration override attribute associated

          with the virtual circuit used to receive said communication from said subscriber.

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16.   (Currently Amended) The apparatus of claim 15 wherein said means for authorizing

further comprises:

    means for receiving from a memory a virtual circuit profile associated with said virtual

        circuit;

    means for assessing said virtual circuit profile to determine if a domain configuration

        override attribute exists within said virtual circuit profile; and

    means for forcing ~~allowing~~ said subscriber to connect exclusively to a service associated with

        said domain configuration override attribute when said domain configuration override

        attribute exists within said virtual circuit profile.

17-20. (Canceled)

21.   (Currently Amended) The apparatus of claim 16 [20] wherein said means for receiving a

virtual circuit profile further comprises a means for performing a table lookup based upon a

Virtual Path Identifier (VPI) / Virtual Channel Identifier (VCI) associated with said virtual

circuit.

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22.   (Currently Amended) An access server capable of forcing subscribers of a first

communications network coupled to said access server system to gain access exclusively to a

service located on a network device in a second communications network coupled to said access

server using a virtual circuit domain network associated with a virtual circuit, said access server

comprising:

> an authorizer capable of granting service authorization to said subscribers based upon a
>
>> virtual circuit used to make a service request;
>
> a virtual circuit profile request generator capable of generating virtual circuit profile
>
>> requests;
>
> an assessor capable of assessing said requested virtual circuit profile for a domain
>
>> configuration override attribute; and
>
> a calculator capable of determining whether the service associated with said virtual circuit
>
>> matches the service associated with said domain configuration override attribute.

23.   (Original) The access server of claim 22, further comprising:

> a receiving interface capable of accepting said service requests;
>
> a forwarding interface capable of sending said virtual circuit profile requests to a memory
>
>> bank; and
>
> a second receiving interface capable of accepting requested virtual circuit profiles.

24.   (Original) The access server of claim 22 wherein said service request comprises a Point-

to-Point Protocol (PPP) session service request.

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25.   (Canceled)

26.   (Canceled)

27.   (Currently Amended) The access server of claim 22 [25] wherein said assessor is capable

of performing a table lookup based upon a Virtual Path Identifier (VPI) / Virtual Channel

Identifier (VCI) associated with said virtual circuit.

28.   (Currently Amended) The access server of claim 23 [26] wherein said receiving interface

comprises at least one access multiplexer, each access multiplexer having a plurality of inputs for

receiving a service request, each of said inputs being associated with a particular subscriber

virtual circuit.

29.   (Currently Amended) The access server of claim 23 wherein said memory bank and said

access server communicate using the Remote Authentication Authorization Dial-In User Service

(RADIUS) protocol.

30.   (Currently Amended) An access server capable of forcing subscribers of a <u>first</u>

communications <u>network coupled to said access server</u> ~~system~~ to gain access exclusively to a

<u>service located on a network device in a second communications network coupled to said access</u>

<u>server using a virtual circuit</u> ~~domain network associated with a virtual circuit~~, said access server

comprising:

> a memory device capable of storing a plurality of virtual circuit profiles, said virtual circuit
>
>> profiles capable of having a domain configuration override attribute associated with
>>
>> subscriber authorized services;
>
> an authorizer capable of granting service authorization to said subscribers based upon a
>
>> virtual circuit used to make a service request;
>
> a virtual circuit profile request generator capable of generating virtual circuit profile requests;
>
> an assessor capable of assessing said requested virtual circuit profile for a domain
>
>> configuration override attribute; and
>
> a calculator capable of determining whether the service associated with said virtual circuit
>
>> matches the service associated with said domain configuration override attribute.

31.   (Currently Amended) The access server of claim <u>30</u> ~~29~~, further comprising:

> a receiving interface capable of accepting said service requests;
>
> a forwarding interface capable of sending said virtual circuit profile requests to a memory
>
>> bank; and
>
> a second receiving interface capable of accepting requested virtual circuit profiles.

32-34. (Canceled)

35.   (Currently Amended) The access server of claim 30 [33] wherein said assessor is capable

of performing a table lookup based upon a Virtual Path Identifier (VPI) / Virtual Channel

Identifier (VCI) associated with said virtual circuit.

36.   (Currently Amended) The access server of claim 31 [34] wherein said receiving interface

comprises at least one access multiplexer, each access multiplexer having a plurality of inputs for

receiving a service request, each of said inputs being associated with a particular subscriber

virtual circuit.